

CLAIMS

1. A method of providing data to a client computer, comprising the steps of:
accepting a request for data from a client computer; and
5 transmitting a partial response to the client computer, wherein the partial
response contains a nonce value, and wherein the nonce value is used to authorize
a limited number of accesses to data on a remote computer.
- 10 2. The method according to claim 1, further comprising the step of charging an
entity upon use of the nonce value for at least one of the accesses.
- 15 3. The method according to claim 1, wherein the nonce value is obtained by
retrieval from a nonce value list shared between a computer performing the step of
transmitting and the remote computer.
4. The method according to claim 1, wherein the nonce value comprises an
expiration time.

EXPRESS MAIL LABEL NO. EL814475034US

5. A method of controlling access to data on a computer, the method comprising the steps of:

accepting a request for a data item, wherein the request contains a nonce value;

5 verifying the nonce value; and

responding to the request by returning the data item if the nonce value is valid and has been previously used less than a limited number of times.

10 6. The method according to claim 5, further comprising the step of charging an entity upon performance of the step of responding in conjunction with the use of the nonce value.

15 7. The method according to claim 5, wherein the nonce value comprises an expiration time.

8. The method according to claim 5, wherein step of verifying comprises comparing the nonce value to a list of stored and valid nonce values.

20 9. The method according to claim 8, wherein the list of stored and valid nonce values is shared with an entity that originated the data request.

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10. A method of obtaining service from a secure data server, the method comprising the steps of:

accepting a partial response from a first computer, wherein the partial response comprises a nonce value and a specification of a remote computer;

5 transmitting a service request to the remote computer, wherein the service request comprises the nonce value; and

receiving a service response from the remote computer if the nonce value was valid.

10 11. The method according to claim 10, wherein the service request comprises a request for a data item.

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12. A system for of providing data to a client computer, the system comprising:
a request message receiver for accepting a request for data from a client
computer; and

a partial response transmitter transmitting for transmitting a partial response
to the client computer, wherein the partial response contains a nonce value, and
wherein the nonce value is used to authorize a limited number of accesses to data
on a remote computer.

13. The system according to claim 12, further comprising a billing module for
charging an entity upon use of the nonce value for at least one of the accesses.

14. The system according to claim 12, wherein the nonce value is obtained by
retrieval from a nonce value list shared between a computer performing the step of
transmitting and the remote computer.

15. The system according to claim 12, wherein the nonce value comprises an
expiration time.

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16. A system for controlling access to data on a computer, the system comprising:

a request receiver for accepting a request for a data item, wherein the request contains a nonce value;

5 a nonce verifier for verifying the nonce value; and

a response generator for responding to the request by returning the data item if the nonce value is valid and has been previously used less than a limited number of times.

10 17. The system according to claim 16, further comprising a billing module for charging an entity upon use of the nonce value for the onetime access.

18. The system according to claim 16, wherein the nonce value comprises an expiration time.

15 19. The system according to claim 16, wherein nonce verifier verifying comprises means for comparing the nonce value to a stored list of valid nonce values.

20 20. The system according to claim 19, wherein the stored list of valid nonce values is shared with an entity that originated the data request.

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21. A system for obtaining service from a secure data server, the system comprising the steps of:

5 a partial response receiver for accepting a partial response from a first computer, wherein the partial response comprises a nonce value and a specification of a remote computer;

a request transmitter for transmitting a service request to the remote computer, wherein the service request comprises the nonce value; and

10 a service response receiver for receiving a service response from the remote computer if the nonce value was valid.

22. The system according to claim 21, wherein the service request comprises a request for a data item.

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23. A computer readable medium including computer instructions for controlling communications access to remote processors, the computer instructions comprising instructions for:

accepting a request for data from a client computer; and

5 transmitting a partial response to the client computer, wherein the partial response contains a nonce value, and wherein the nonce value is used to authorize a limited number of accesses to data on a remote computer.

10 24. The computer readable medium of claim 23, further comprising instructions for charging an entity for at least one of the accesses.

15 25. The computer readable medium of claim 23, wherein the nonce value is obtained by retrieval from a nonce value list shared between a computer performing the step of transmitting and the remote computer.

26. The computer readable medium of claim 23, wherein the nonce value comprises an expiration time.

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27. A computer readable medium including computer instructions for controlling communications access to computer, the computer instructions comprising instructions for:

accepting a request for a data item, wherein the request contains a nonce value;

verifying the nonce value; and

responding to the request by returning the data item if the nonce value is valid and has been previously used less than a limited number of times.

28. The computer readable medium according to claim 27, further comprising instructions for charging an entity upon use of the nonce value for the onetime access.

29. The computer readable medium according to claim 27, wherein the nonce value comprises an expiration time.

30. The computer readable medium according to claim 27, wherein step of verifying comprises comparing the nonce value to a list of stored and valid nonce values.

31. The computer readable medium according to claim 30, wherein the list of stored and valid nonce values is shared with an entity that originated the data request.

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32. A computer readable medium including computer instructions for obtaining service from a secure data server, the computer instructions comprising instructions for:

accepting a partial response from a first computer, wherein the partial response comprises a nonce value and a specification of a remote computer;
transmitting a service request to the remote computer, wherein the service request comprises the nonce value; and
receiving a service response from the remote computer if the nonce value was valid.

33. The computer readable medium according to claim 32, wherein the service request comprises a request for a data item.